

03060106-140

(Savannah River)

General Description

Watershed 03060106-140 is located in Allendale County and consists primarily of the **Savannah River** and its tributaries from Lower Three Runs to the oxbow lake at Brier Creek Landing, Georgia. The watershed occupies 123,135 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Blanton-Ogeechee-Chisolm series. The erodibility of the soil (K) averages 0.16, and the slope of the terrain averages 2%, with a range of 0-6. Land use/land cover in the watershed includes: 54.7% forested land, 19.4% forested wetland, 18.5% agricultural land, 6.3% barren land, 0.7% water, 0.3% nonforested wetland, and 0.1% urban land.

This section of the Savannah River accepts drainage from its upper reaches (03060103, 03060106-050, -110), together with Smith Lake Creek, Dead River Lake, Mount Lake (Spring Run), McDaniel Creek*, Brier Creek (Stony Creek), Little Brier Creek (Warren Branch, Mars Branch), Ferguson Lake, Watch Call Branch (Bull Pond), The Gaul King Creek, Blue Lake, Pipe Creek, and Brier Creek*. An asterisk connotes a stream entering from the Georgia side of the river. There are a total of 110.8 stream miles and 171.8 acres of lake waters within the South Carolina portion of the watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-118	P	FW	SAVANNAH RIVER AT US 301, 12.5 MI SW OF ALLENDALE
SV-745	BIO	FW	BRIER CREEK AT S-03-102

Savannah River (SV-118) - Aquatic life uses are fully supported; however, there is a significant increasing trend in total phosphorus concentration. There is also a significant decreasing trend in pH. A significant decreasing trend in total nitrogen concentration suggests improving conditions for this parameter. Recreational uses are fully supported and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

Brier Creek (SV-745) - Aquatic life uses are fully supported based on macroinvertebrate community data.

A fish consumption advisory has been issued by the Department for mercury and includes the Savannah River within this watershed (see advisory p.107).

NPDES Program

Active NPDES Facilities

RECEIVING STREAM	NPDES#
FACILITY NAME	TYPE
PERMITTED FLOW @ PIPE (MGD)	COMMENT

SAVANNAH RIVER
TOWN OF ALLENDALE WWTP
PIPE #: 001 FLOW: 4.0

SC0039918
MAJOR DOMESTIC

SAVANNAH RIVER
CLAIRIANT CORP./MARTIN PLT
PIPE #: 001 FLOW: 1.84

SC0042803
MINOR INDUSTRIAL

Growth Potential

There is a low potential for growth in this watershed, which is located near the Town of Allendale. Due to growth in the Allendale-Fairfax area, the Town of Allendale's treatment facility has been expanded.